

 **DuraTime**
2.4 GHz Wireless Synchronized
Clock System



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The DuraTime Wireless Clock System provides highly reliable, synchronized time, without expensive wiring. This easy-to-install system is designed for zero system downtime with no single point of failure.

The system includes automatic switching between Daylight and Standard Time, and AES 128 bit data encryption for secure, reliable communications.

Master Clock Package

The system supports multiple master clocks with multiple-simultaneous time sources. Factory Synchronized Atomic Time, NTP or optional GPS time sources may be used at the same time for a marked improvement in reliability. All master clocks broadcast the time simultaneously.

Secondary Devices

DuraTime analog wall clocks feature a battery pack that provides over five years of operation between battery changes. LifeTime Clocks have 15 year battery life. DuraTime LED digital clocks are easy to see from a distance and are externally powered. The DuraTime LCD clocks provide a battery powered Digital clock that provide Day/Date/Temperature.

Alarm Schedules

Utilizing a DuraTime wireless relay the 2.4 GHz System can be used to activate mechanical bells or horns. The system can activate any combination of 12 alarm zones. The alarm schedule software can easily be programmed and edited as needed. The DuraTime System also features an optional audio player that will play preprogrammed audio files over wireless speakers or can be integrated into an existing PA System. Alarm schedules can be sent to multiple master clocks providing automatic backup.

System Features:

- Designed for Zero Downtime
- OCXO Oscillator accurate to 1 second over 20 years
- NTP Time Synchronization included, Wireless GPS is optional
- Synchronizes time across your facility or campus using multipath technology
- Automatically adjusts time for daylight savings time (DST)
- Supports redundant master clock operation
- Master clocks that automatically switch between primary and secondary (back-up).
- Provides time updates to secondary devices 43,200 times per day
- 2.4 GHz, Direct Sequence, Spread Spectrum Technology
- Operates on the Industrial, Scientific and Medical band
- DuraTime clocks advanced digital radio technology has 16 times the transmit power of competing clock systems.
- Rule based method for setting DST, makes it easy to update Government DST rule changes
- Designed to operate on Ethernet standards IPv4 and IPv6
- No FCC license required
- AES 128 bit data encryption for secure, reliable communications
- Ideal replacement clock system for expensive to maintain hardwired clocks
- Energy efficient operation
- Assembled in the USA
- Patents Pending
- FCC part 15.247 certified, CE certified
- Approved for U.S. Government Facilities



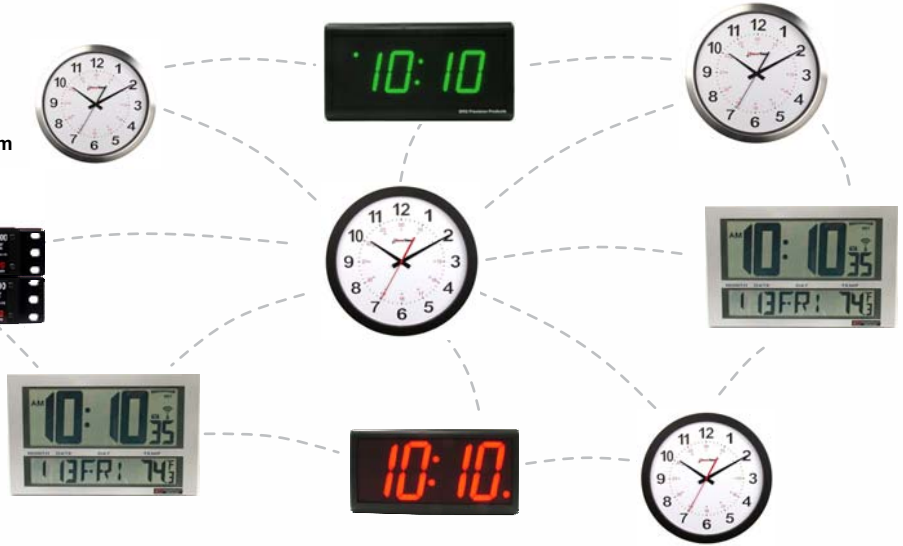
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RC102 Redundant Master Clocks

Multi-Path Network



The RC102 Package is two (2) rack mountable master Clocks that are factory synchronized to the US Atomic Clock. They offer automatic backup in the event of a primary master failure or lost of time sync with time source. The masters can simultaneously time sync with NTP or GPS Time sources.



Analog Clocks are available in 12", 15" & 22" Models. Finishes include Black Polycarbonate and Brushed Aluminum.

DuraTime analog battery powered clocks will last over 5-7 years between battery changes and uses common "AA" batteries.

DuraTime LifeTime Clocks will last over 15 years between battery changes.

Custom clock faces are also available.



Digital LCD clocks operates on three "C" cell batteries. This clock provides Hours/Minutes/Seconds and Day/Date/Month and Temperature readouts. A silver finish is standard.



Digital LED Clocks:

- Available in 2.5", 4", 8" & 12" tall LED versions.
- Red, Blue or Green LEDs available in most sizes.
- 2.5" & 4" include automatic brightness
- Creates a continuously active mess network
- Power options include 24 VDC and 110 VAC.
- 8" & 12" have Aluminum Frames, optional for 2.5" & 4" models
- Double sided models are available with ceiling or wall mounting brackets

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Audio Player



The RC185 Wireless Audio Player/Tone Generator is an ideal addition to your PA system if you want to take advantage of it to announce class changes, start of day, breaks, lunches, etc...

Optional Time Source

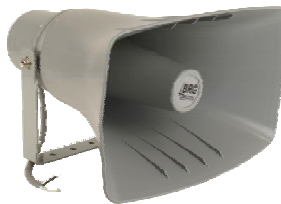


The RC161 Wireless GPS Receiver, acquires time from military GPS satellites and transmits time to the master clock(s) through the mesh network. The master clocks can simultaneously receive time from NTP, CDMA and GPS time sources .

Speakers



The RC201 & RC202 18-Watt Wireless Wall Mounted Speakers receive signals from the master transmitter to play pre-recorded tones.



The RC203 18-Watt Wireless Horn Speaker is an excellent choice for outdoor areas. It receives signals from the master transmitter to play pre-recorded tones.



The RC204 18-Watt Wireless Ceiling Speaker is an excellent choice when you have a drop ceiling. It receives signals from the master transmitter to play pre-recorded tones.

For more information
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